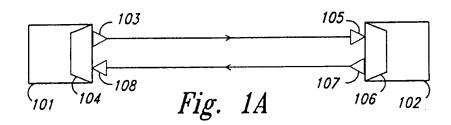
MAR 0 3 2005

Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGF*4ENT FOR A F. CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al. Application No.: 09/192,547 Docket No.: 10981774-1



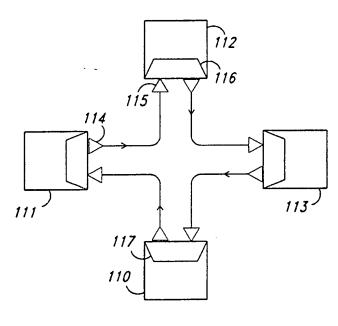
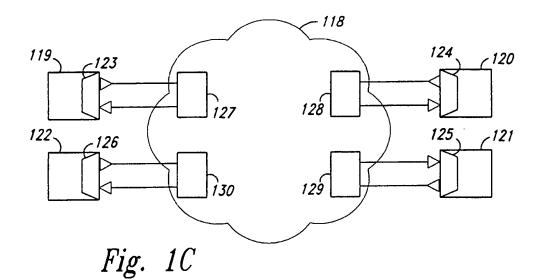


Fig. 1B





Title: PRIMATE ARBITRATED LOOP SELF-TEST MANACTIENT FOR A L. E CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al. Application No.: 09/192,547

Docket No.:

10981774-1

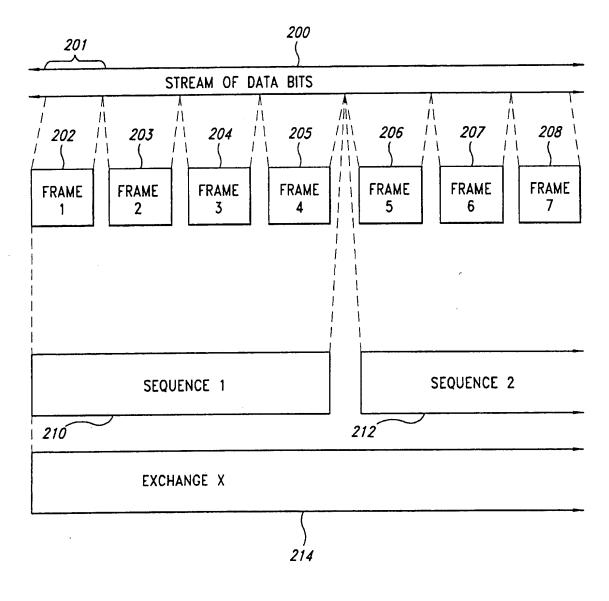


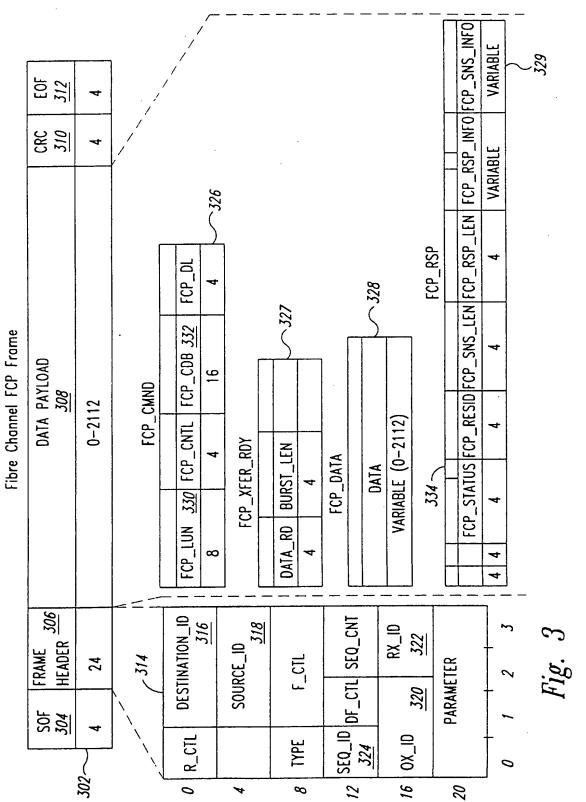
Fig. 2



E CHANNEL STORAGE ENCLOSURE FOR A F

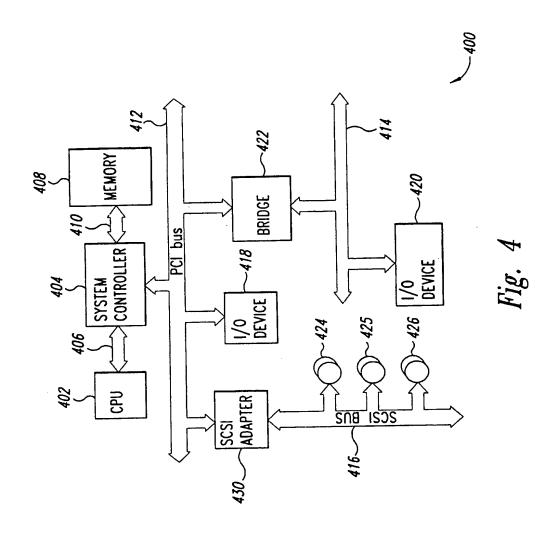
Timothy Anderson et al. 09/192,547 10981774-1

Inventor(s).
Application No.:
Docket No.:





Title: PP VATE ARBITRATED LOOP SELF-TEST MANAGEMENT FOR A (E CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al. Application No.: 09/192,547 Docket No.: 10981774-1





Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT FOR A RE CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al. Application No.: 09/192,547

Docket No.:

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DOMAIN 0 DOMAIN SCSI DEVICE ID 2 SCSI DEVICE ID 1 N o 518 SCSI DEVICE ID 1 S_o 516 N_O SCSI DEVICE ID 0 SCSI DEVICE ID 0 SCSI Host Adapter ID 7 Adapter SCSI Host 10 7 502

Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT FOR A F CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
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INITIATOR		TARGET	
STATE	EVENTS	EVENTS	STATE
BUS FREE 614			BUS FREE
ARBITRATION 616	ASSERT BSY AND D7 ASSERT SEL		ARBITRATION
SELECTION 618	ASSERT DX AND ATN		SELECTION
SELECTION 620	DROP BSY DROP SEL	ASSERT BSY	SELECTION
MESSAGE OUT	IDENTIFY		MESSAGE OUT
<u>622</u>	DISCONNECT PRIVILEGE	LUN 623	
MESSAGE OUT	QUEUE TAG MESSAGE SIMPLE QUEUE TAG 626 QUEUE TAG 627		MESSAGE OUT
COMMAND <u>628</u>	READ OR WRITE OPCODE (READ OR WRITE) FLAGS LOGICAL BLOCK NO. DATA LENGTH 638		COMMAND
MESSAGE IN 640	DISC	ONNECT 642	MESSAGE IN
BUS FREE 644		DROP BSY	BUS FREE
607	610 6	506 612	608
	Fig.	. 6A	



FOR A FIE CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al.

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INITIATOR		TARGET			
STATE					STATE
BUS FREE 646					BUS FREE
ARBITRATION 648			-	SY AND DX EL AND I/O	ARBITRATION
RESELECTION 650			ASSERT D DROP SEL	X AND ATN	RESELECTION
MESSAGE IN 652	IDENTIFY LUN		654	MESSAGE IN	
MESSAGE IN	QUEUE TAG MESSAGE SIMPLE QUEUE TAG QUEUE TAG 656			MESSAGE IN	
DATA IN (read) OUT (write) 658	ACK DATA REQ		DATA IN (read) OUT (write)		
OPTIONAL DISCONNECT/ RECONNECT 660	MESSAGE IN MESSAGE IN BUS FREE ARBITRATION RESELECTION MESSAGE IN MESSAGE IN	DISCONNE IDENTIFY QUEUE TAG	CT MESSAGE		
DATA	ACK DATA REQ OCCUPATION OF THE SECOND OCCUPATION OF THE SECOND OCCUPATION OC		DATA		
MESSAGE IN 662		DISC	ONNECT		MESSAGE IN
BUS FREE 664			DROP BS	Υ	BUS FREE

Fig. 6B



Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT FOR A BRE CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

INITIATOR		TARGET	
state			state
BUS FREE 666			BUS FREE
ARBITRATION 668		ASSERT BSY AND DX ASSERT SEL AND I/O	ARBITRATION
RESELECTION 670		ASSERT DX AND ATN DROP SEL	RESELECTION
MESSAGE IN 672		IDENTIFY LUN 674	
MESSAGE IN	QUEUE TA SIMPLE QUEUE TAG	G MESSAGE QUEUE TAG 676	MESSAGE IN
STATUS <i>678</i>	0	0h 680	STATUS
MESSAGE IN 682		COMMAND COMPLETE OOh	
BUS FREE 686		DROP BSY	BUS FREE

Fig. 6C



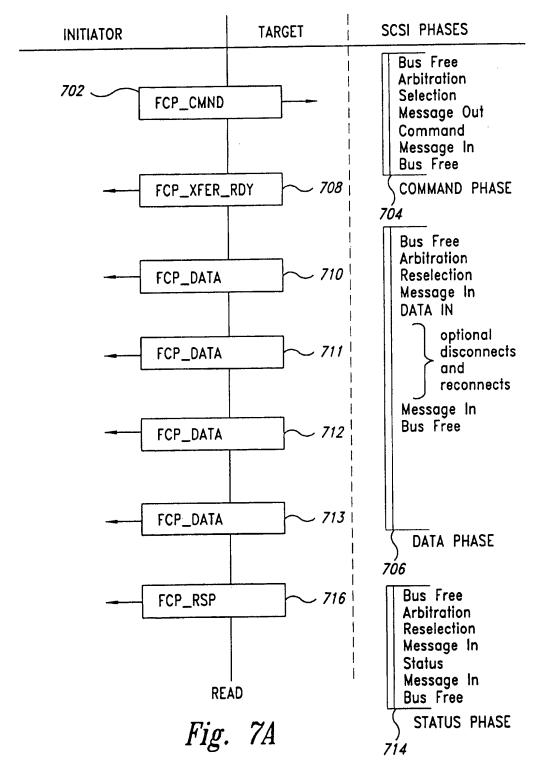
Title: PR''ATE ARBITRATED LOOP SELF-TEST MANAGEMENT FOR A F. CHANNEL STORAGE ENCLOSURE

Inventor(s):

Timothy Anderson et al.

Application No.: Docket No.:

09/192,547 10981774-1

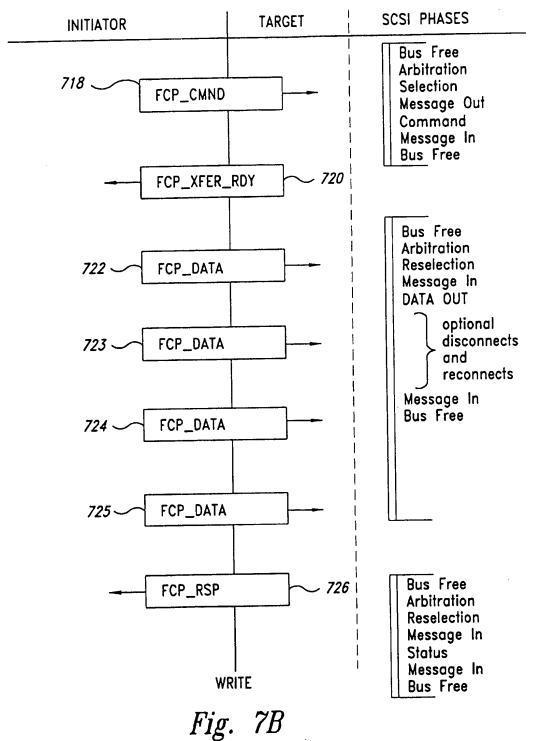




FOR A FIL CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al.

Application No.: Docket No.:

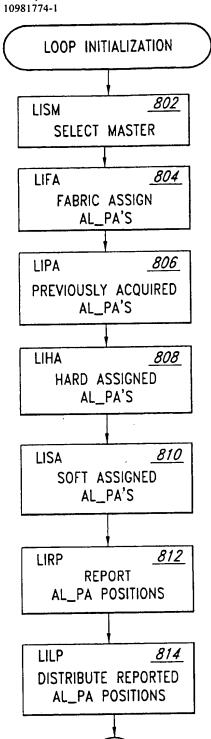
09/192,547 10981774-1





FOR A FIL CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al.

Application No.: 09/192,547 Docket No.:



END

Fig. 8



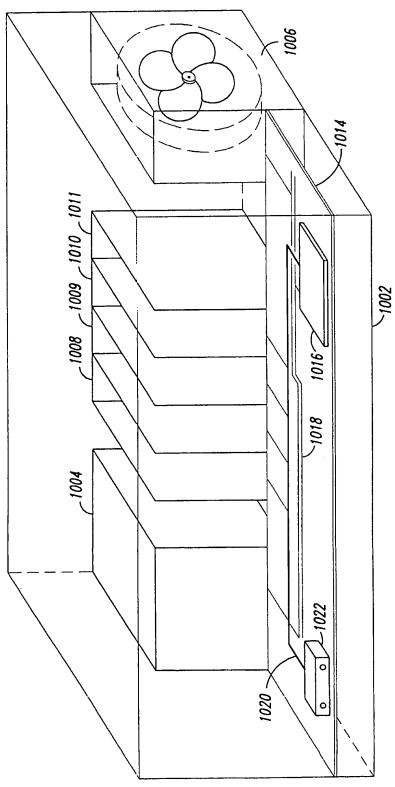
Title: Pr. 'ATE ARBITRATED LOOP SELF-TEST MANA' 1ENT FOR A RE CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

902	903		904
	1	1	
	LI_ID	LI_FL I	DATA
	LISM		8-BYTE PORT NAME 906
	LIFA		16-BYTE AL_PA BIT MAP 908
	LIPA		16-BYTE AL_PA BIT MAP
	LIHA		16-BYTE AL_PA BIT MAP 912
	LISA		16-BYTE AL_PA BIT MAP 914
	LIDD		917 128-BYTE
	LIRP		AL_PA POSITION MAP 916
	LILP		128-BYTE AL_PA POSITION MAP 918

Fig. 9



Title: PRIVAT RBITRATED LOOP SELF-TEST MANAGEME'
FOR A FIBRE ANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1





Title: PRIV : ARBITRATED LOOP SELF-TEST MANAGEN FOR A FIBRE CHANNEL STORAGE ENCLOSURE

Timothy Anderson et al. 09/192,547 10981774-1 Inventor(s):

Application No.:
Docket No.:

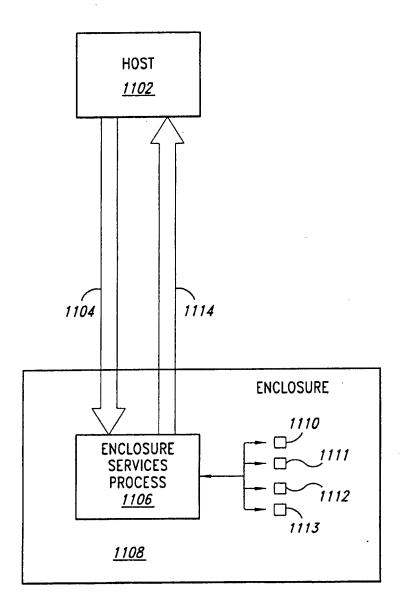
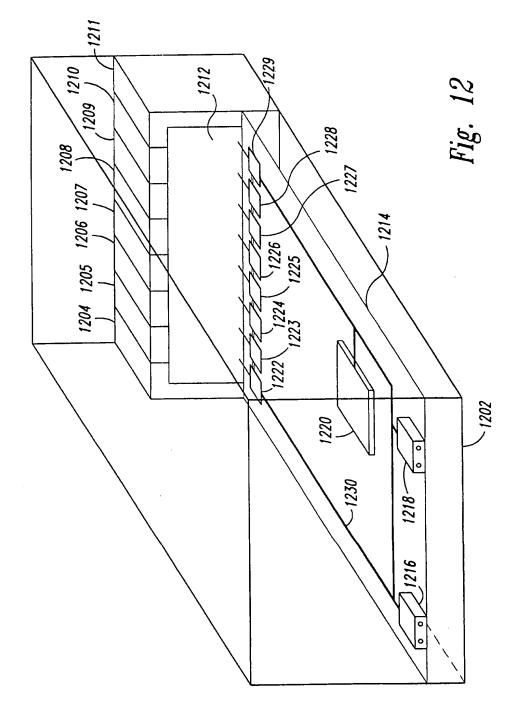


Fig. 11



Title: PRIV ARBITRATED LOOP SELF-TEST MANAGEN FOR A FIBRE CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al. Application No.: 09/192,547 Docket No.: 10981774-1





Title: PF TTE ARBITRATED LOOP SELF-TEST MANAC ENT FOR A FIRE CHANNEL STORAGE ENCLOSURE

Timothy Anderson et al. 09/192,547

Inventor(s):
Application No.: 10981774-1 Docket No.:

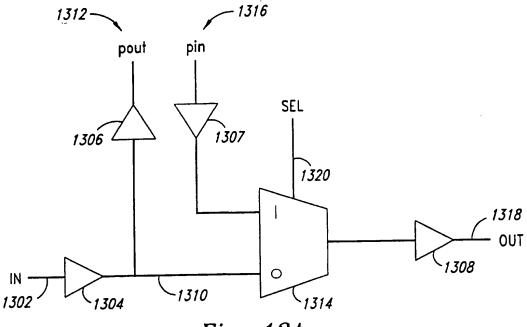


Fig. 13A

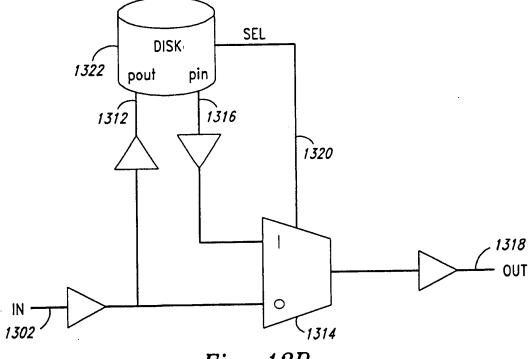
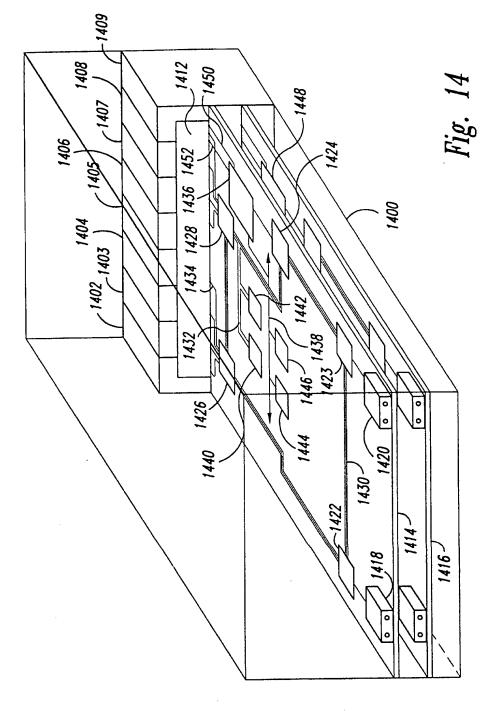


Fig. 13B



Title: PRIV ARBITRATED LOOP SELF-TEST IN FOR A FIBRE CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al. Application No.: 09/192,547 ARBITRATED LOOP SELF-TEST MANAGEN ______





Title: PF TE ARBITRATED LOOP SELF-TEST MANAG :NT FOR A FIBRE CHANNEL STORAGE ENCLOSURE Inventor(s): Timothy Anderson et al. Application No.: 09/192,547

10981774-1 Docket No.:

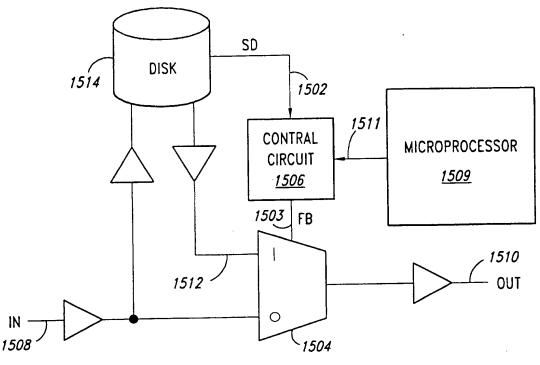


Fig. 15A

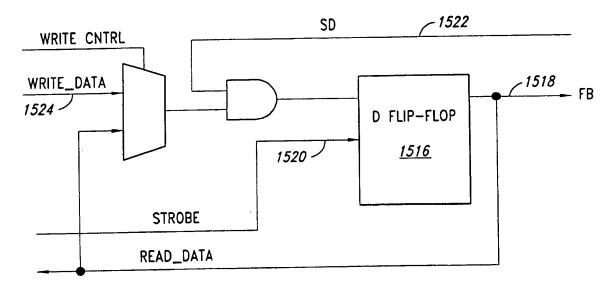


Fig. 15B



Title: PI \text{ \text{TE ARBITRATED LOOP SELF-TEST MANA(}} ENT FOR A FIRE CHANNEL STORAGE ENCLOSURE}

Timothy Anderson et al. 09/192,547 10981774-1 Inventor(s):

Application No.: Docket No.:

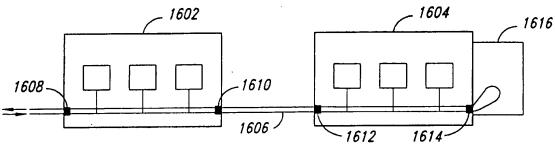


Fig. 16A

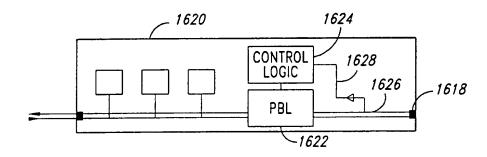


Fig. 16B